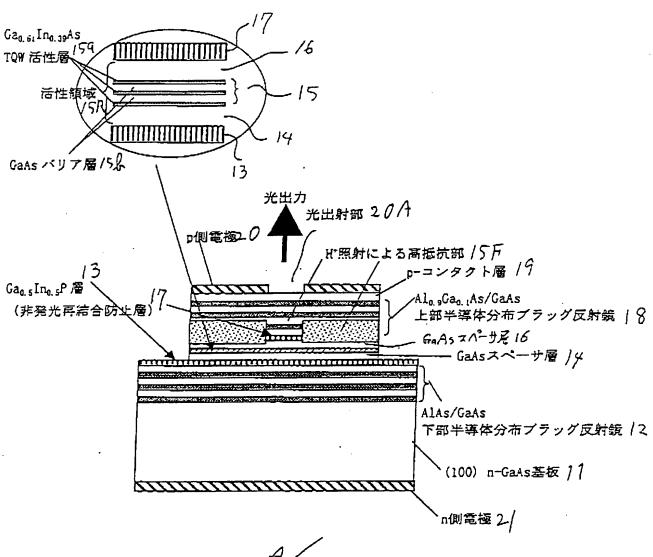
JP0109564

国

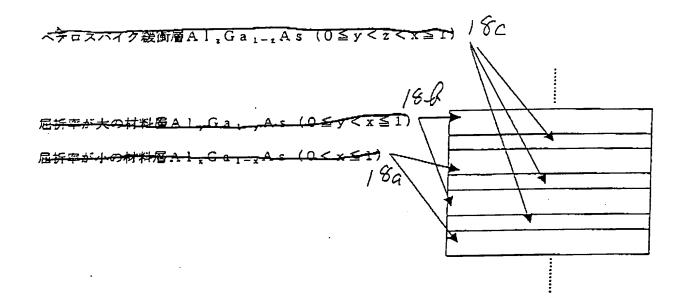
匚团1二



CR 2

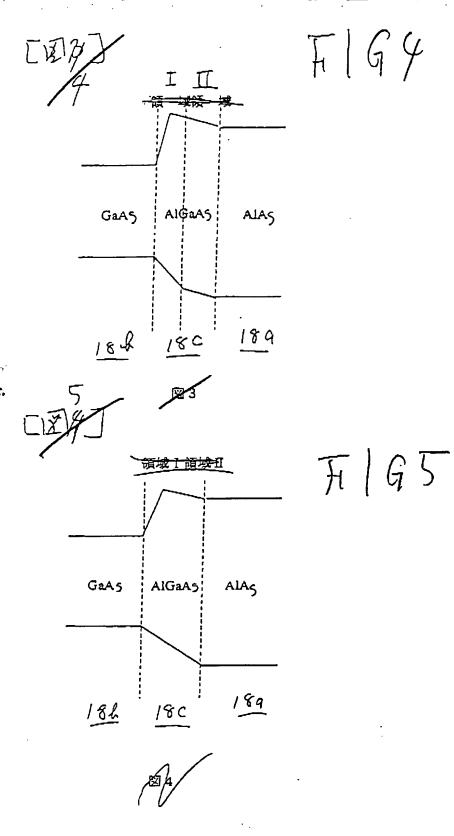
F193

18 (12)





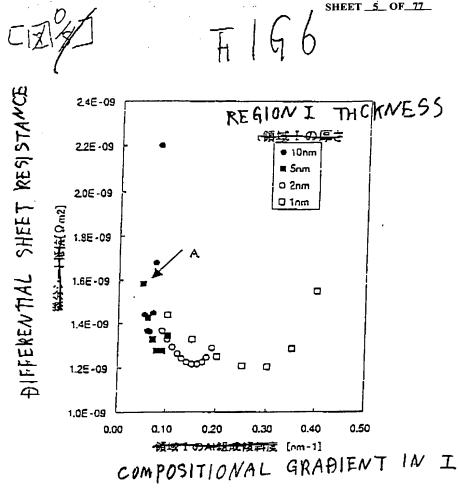
OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _4_ OF_77_



10065204 CEE522

•

OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et SHEET _5_ OF_77_



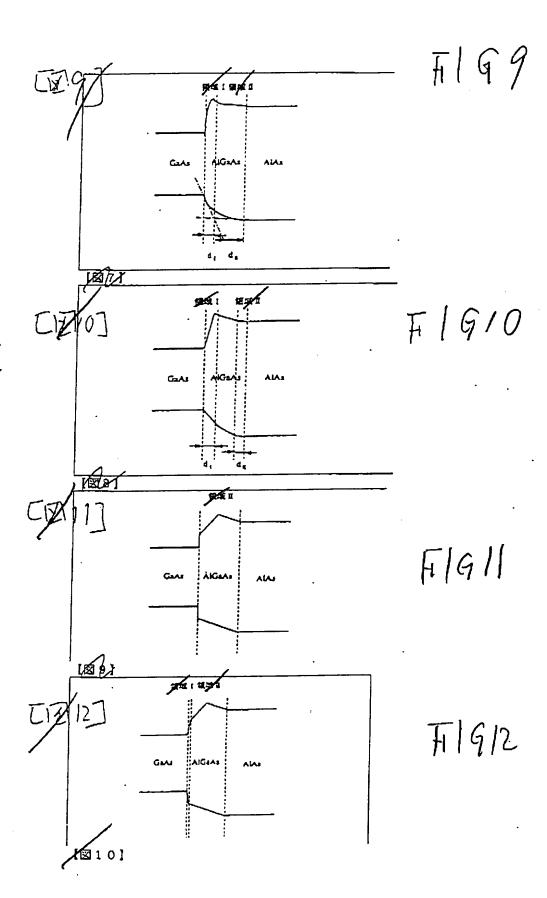
GaA ALAS GAA ALAS

GaA ALAS

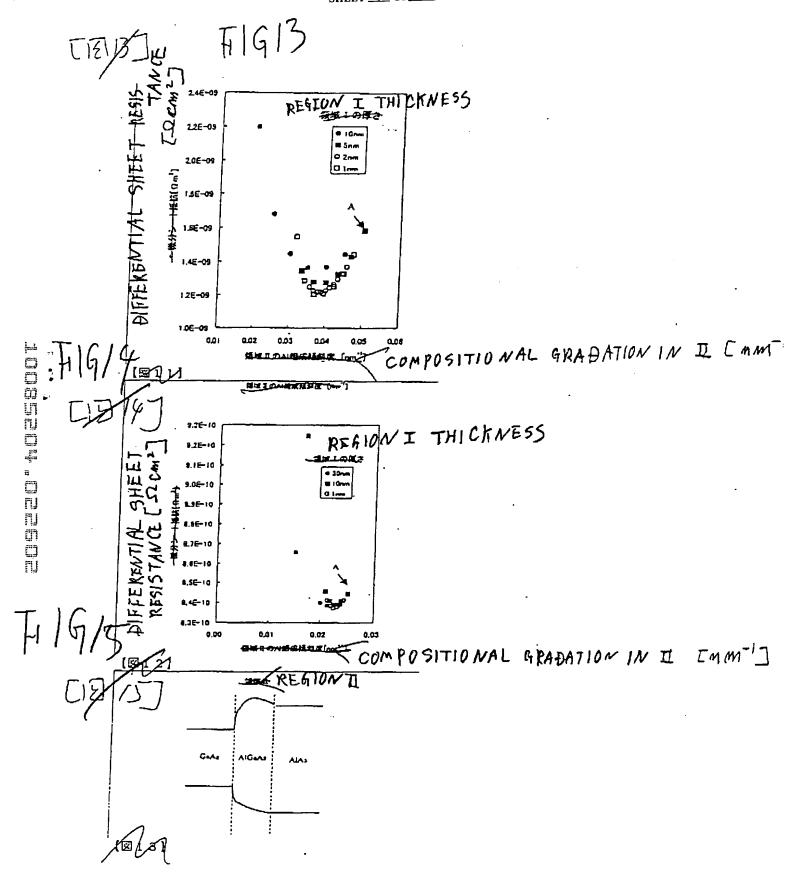
GAA ALAS

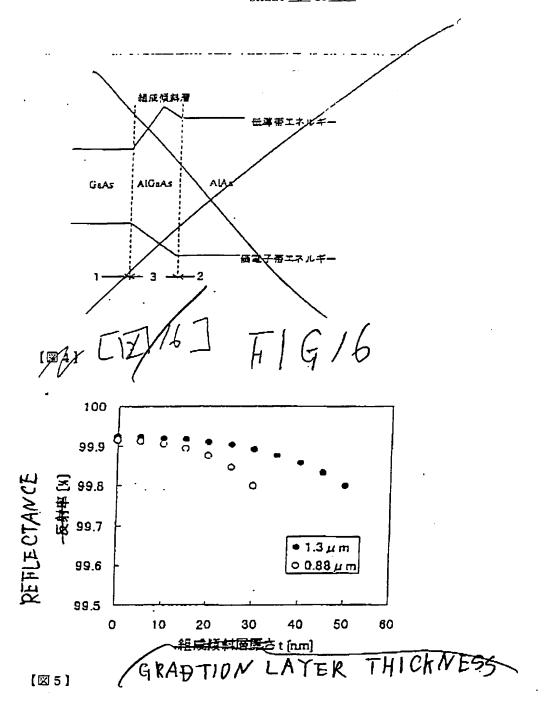
GAA ALAS

GAA ALAS

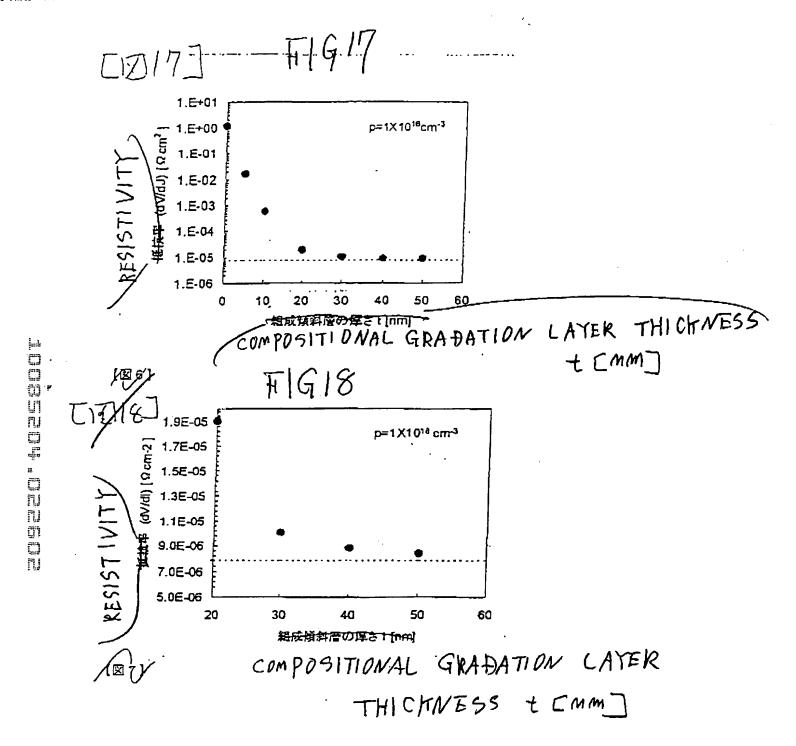


HIOSSETH CEESEE

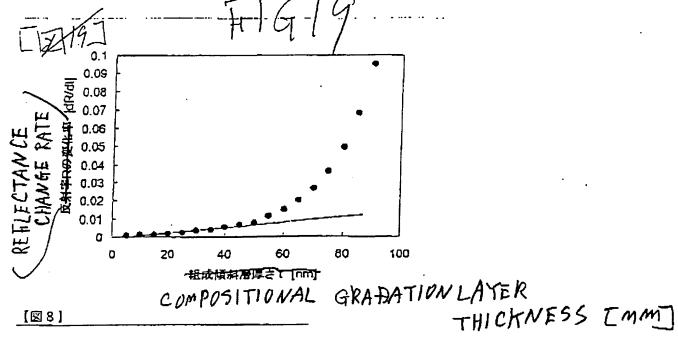


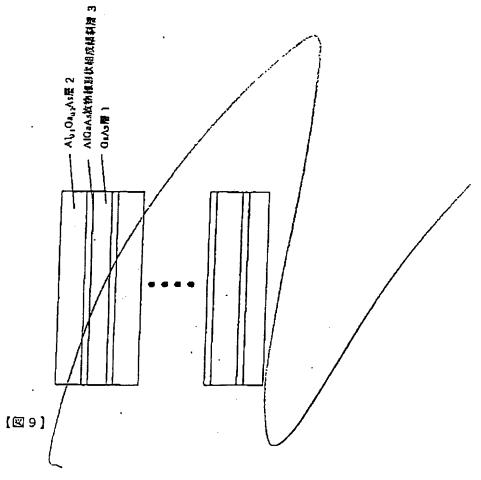


IDDASED4 DEEBDE



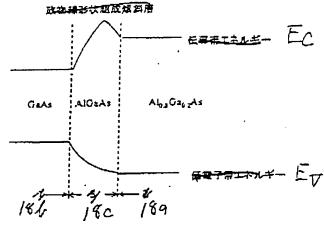


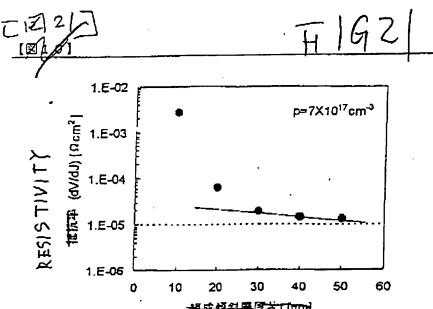




[2]20]

F/920





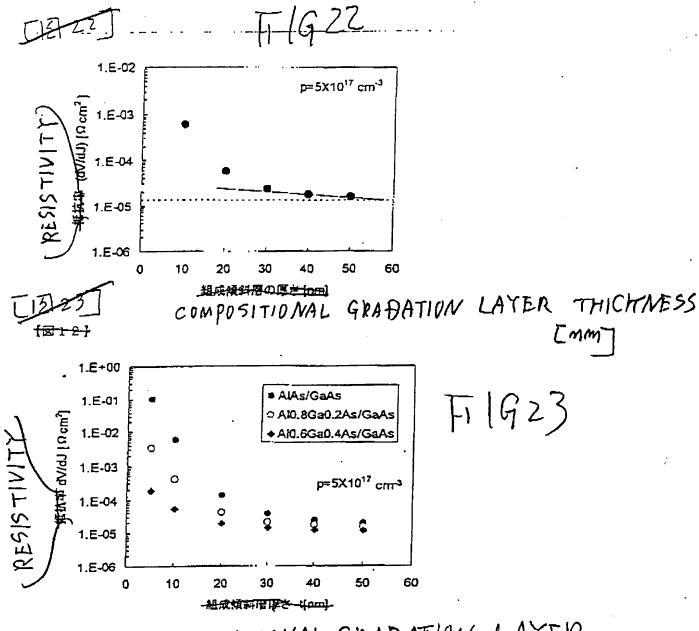
COMPOSITIOAL GRADATION LAYER THICKNESS

[図11]

ADDSSED4 DEREDE

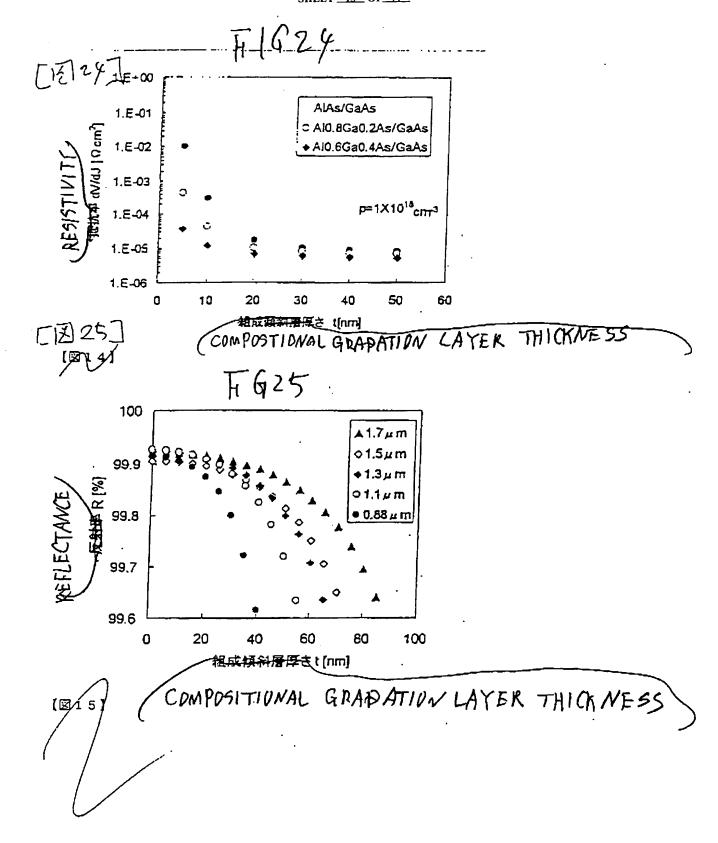
[um]

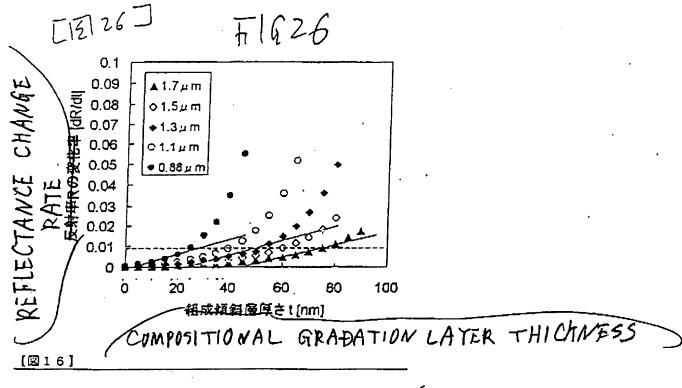


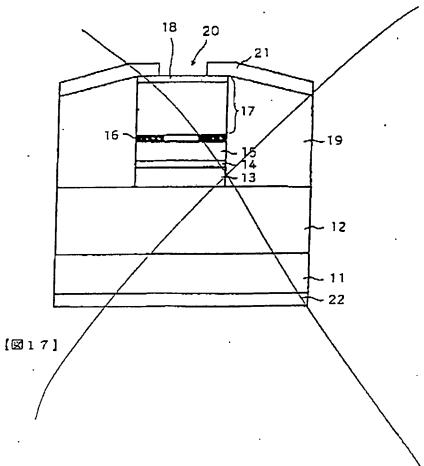


COMPOSITIONAL GRADATION LAYER
THICKNESS EMMJ

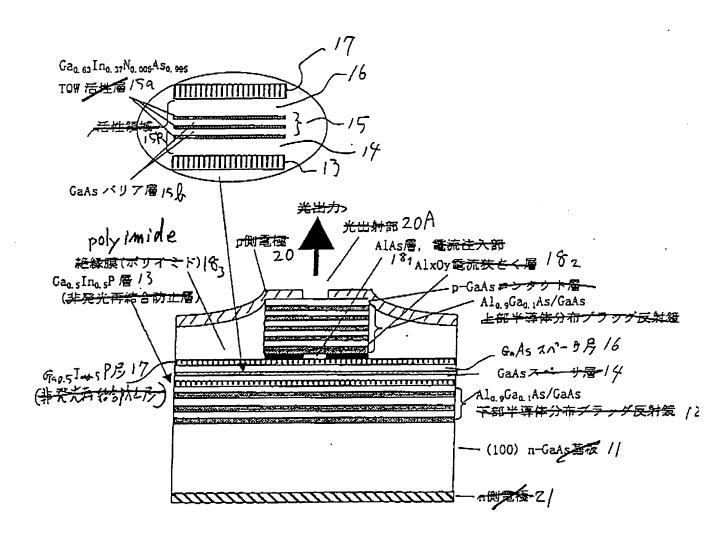








OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _15_ OF_77_



OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET <u>16</u> OF <u>77</u>

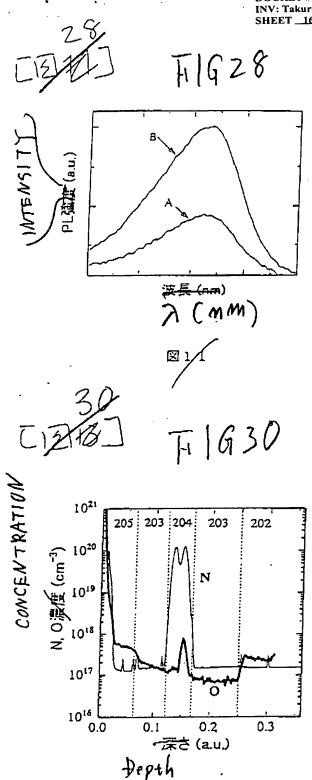
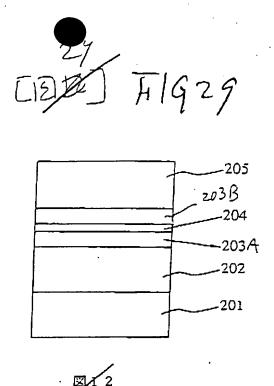
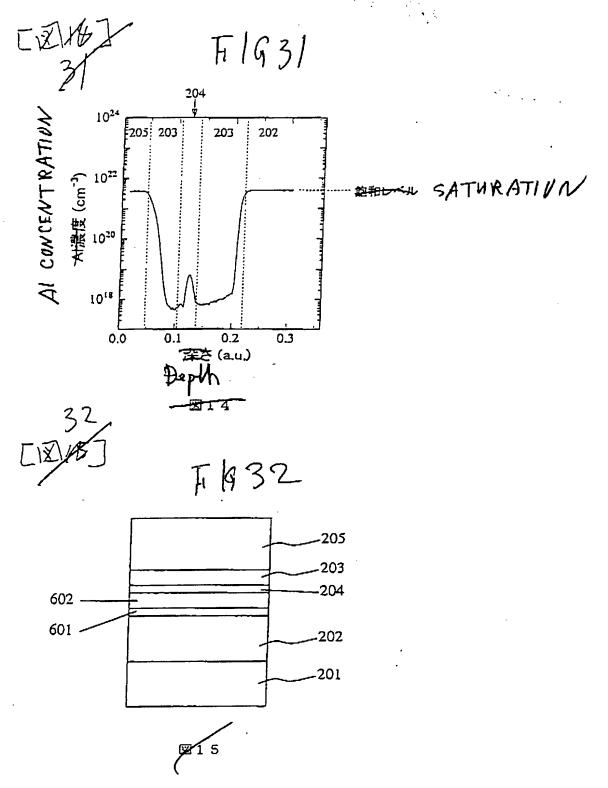
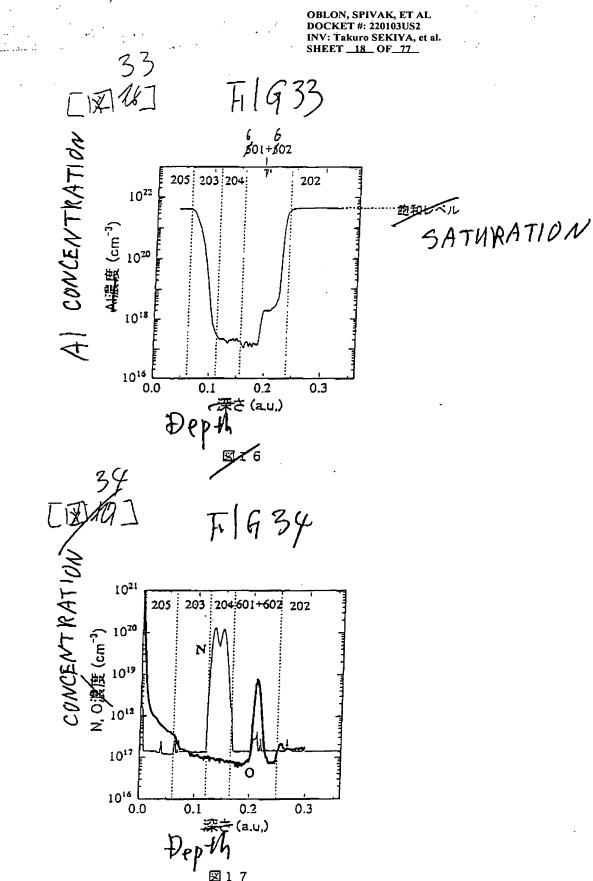


図13



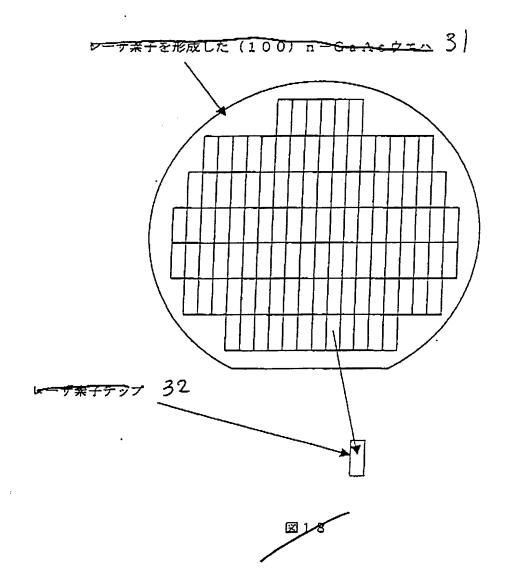






993

F/1935



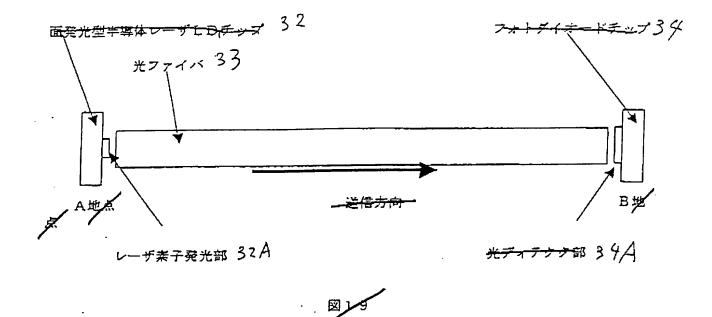
indasaa: anaasa

OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET <u>20</u> OF <u>77</u>

[1362]

F1636

#3

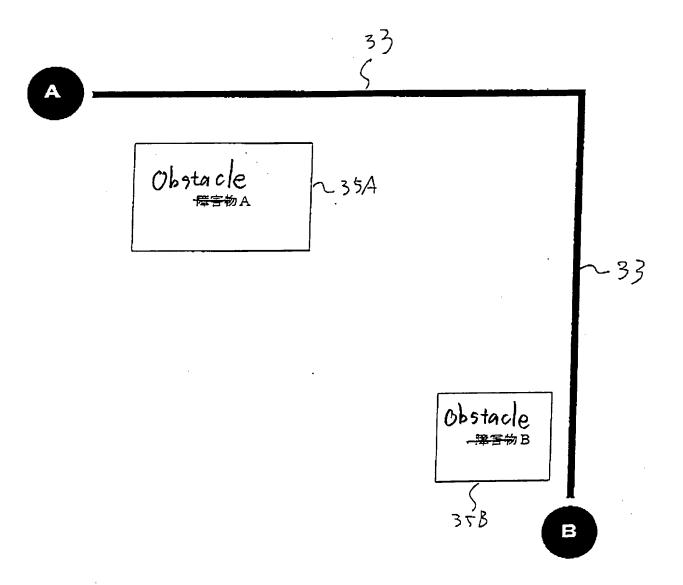


32 33 S B

H1637

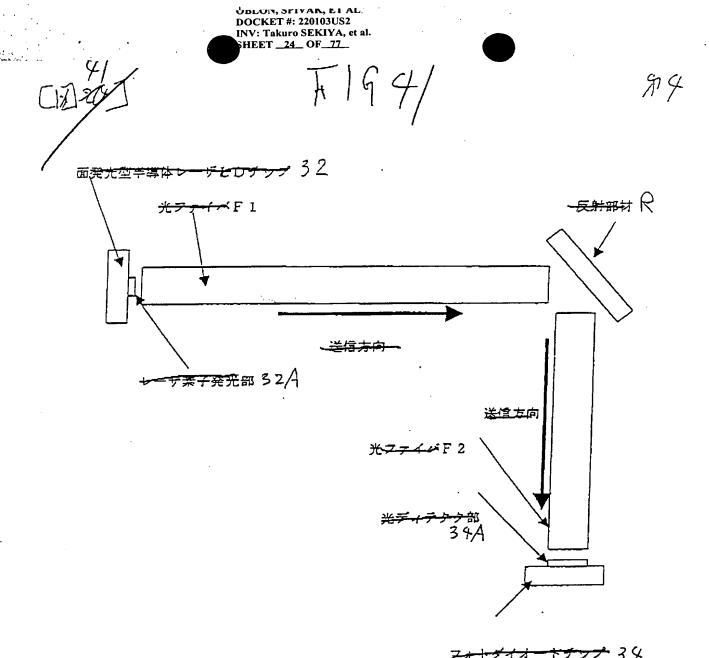


F1 G 38





OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET 23 OF 77 #3 FIG 40 Obstacle 35 D 35E Obstacle



EX AN

OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET <u>25</u> OF <u>77</u> LIXI KD H1942 32 32A CF1 R A 地点 壁内部4∫A -F2 39A 多星 42 B类点 34

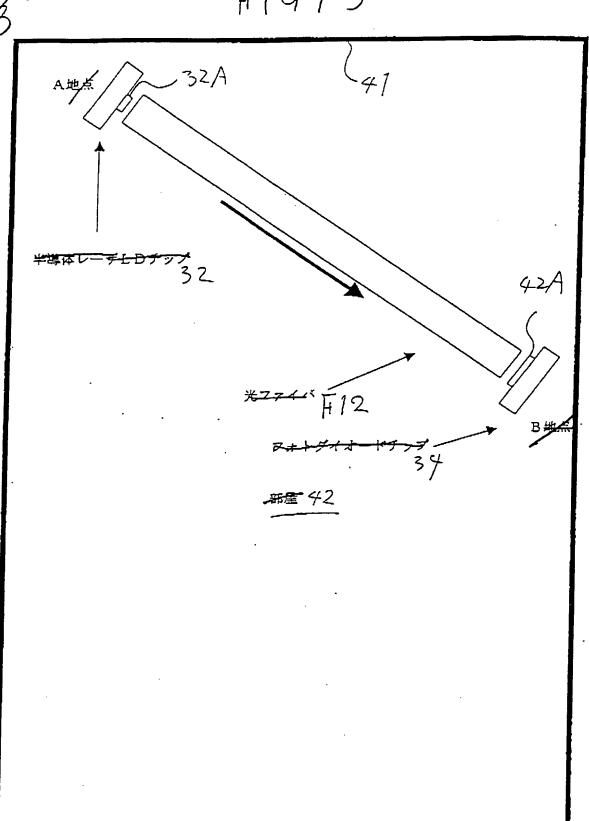


ΩBLΩN, SPIYAF, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _26_ OF_77_

口图到了

F1943

为火

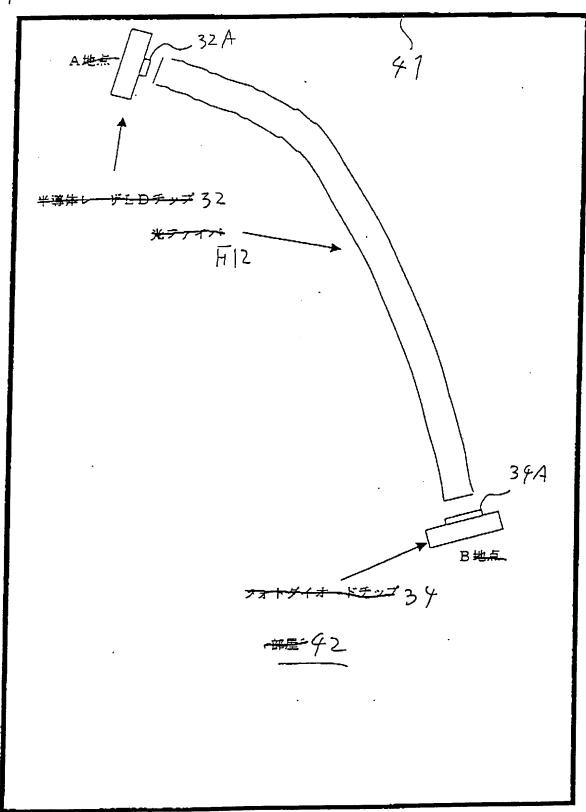




[12/20]

F1644

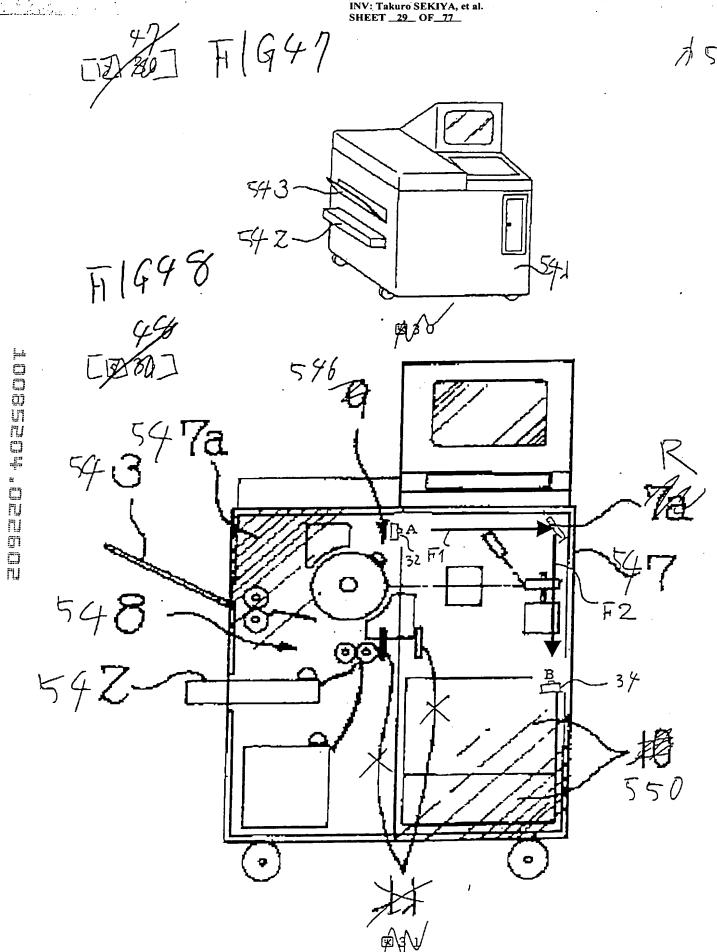
为父





UTLUN, SPIVAN, EI AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _28_ OF_ 77_ F1945 口图 面発光型半導体 -ザ栗子発光部 ろ2人 39A 送信方向 EMINI R 面発光型半等体上 32 **一送信方向** 步来了完光部-32A 送信方向 (7775534A

OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET 29 OF 77



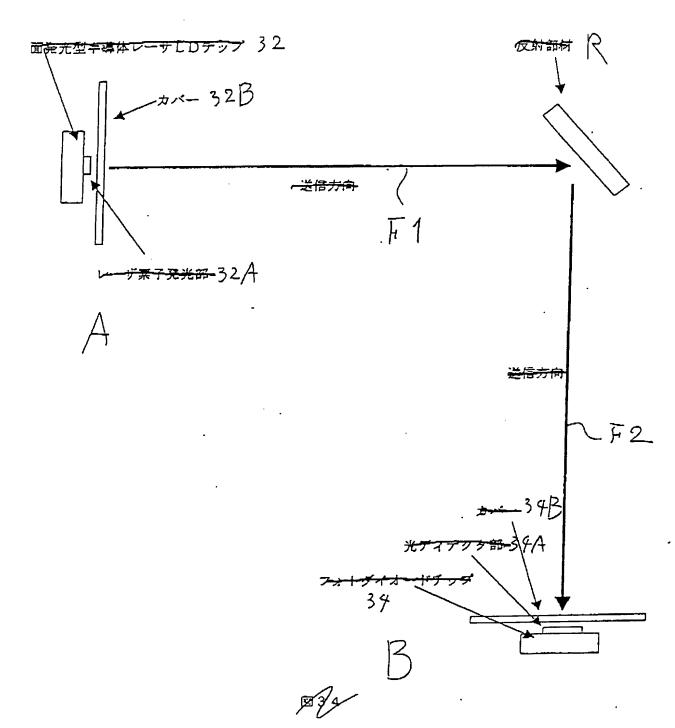
[13/32] FI[949: 55] 为了 555 产用 0000000 F.1950 556 556A 数5**6** 554a 55 4 b \$\$ \$\$58 557 H12

OBLON, SPIVAK, ET AL DOCKET #; 220103US2 INV: Takuro SEKIYA, et al. SHEET _31_ OF_77_

[XXX]

FIG5

\$ 6

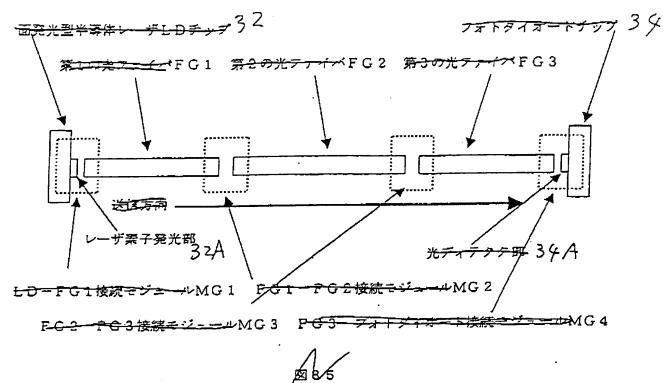


区 381

"INSEED" OEESE

FIG 52

\$7 L

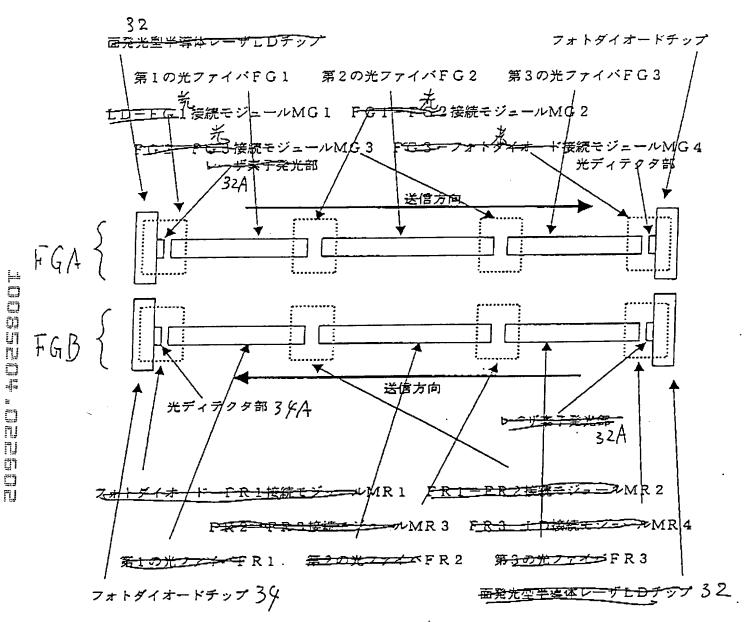


OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _33_ OF_77_

[DAG]

FIG53

27



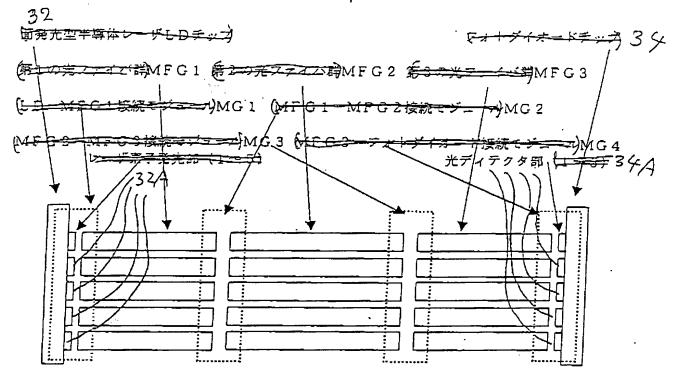
國軍

UBLUN, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET <u>34</u> OF <u>77</u>

[1]34]

F1959

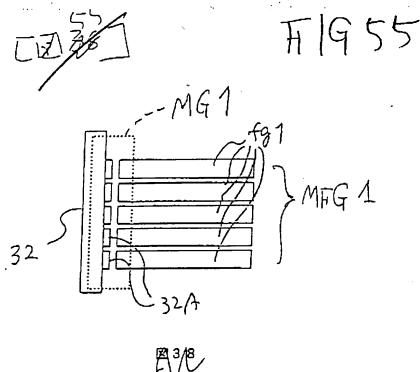
9\ /



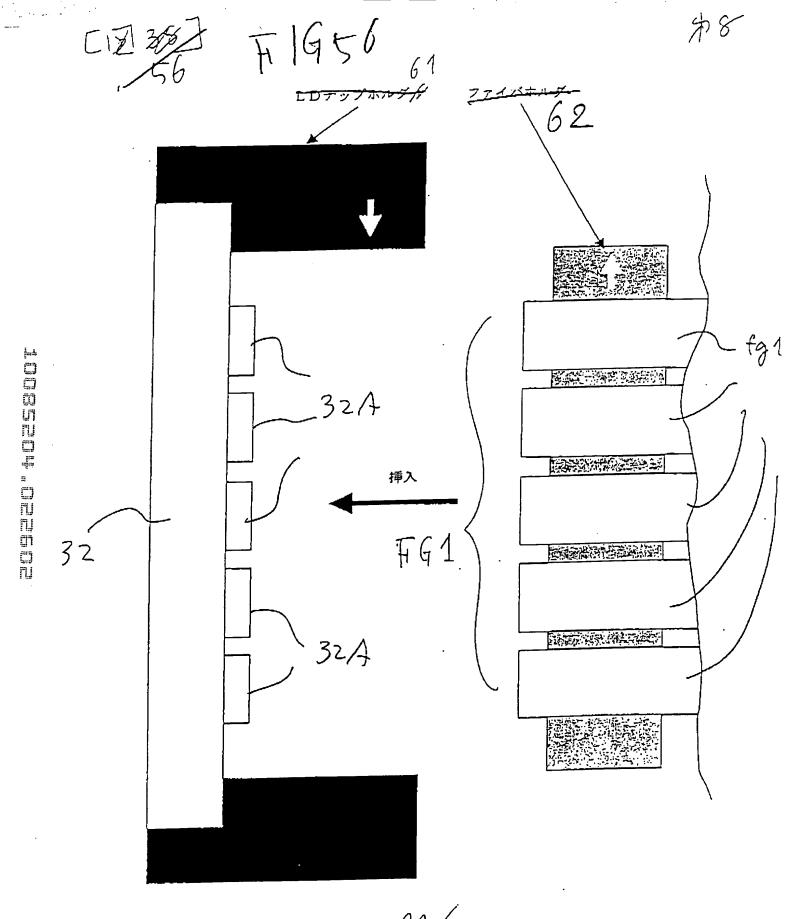
國 3 7

送信力向

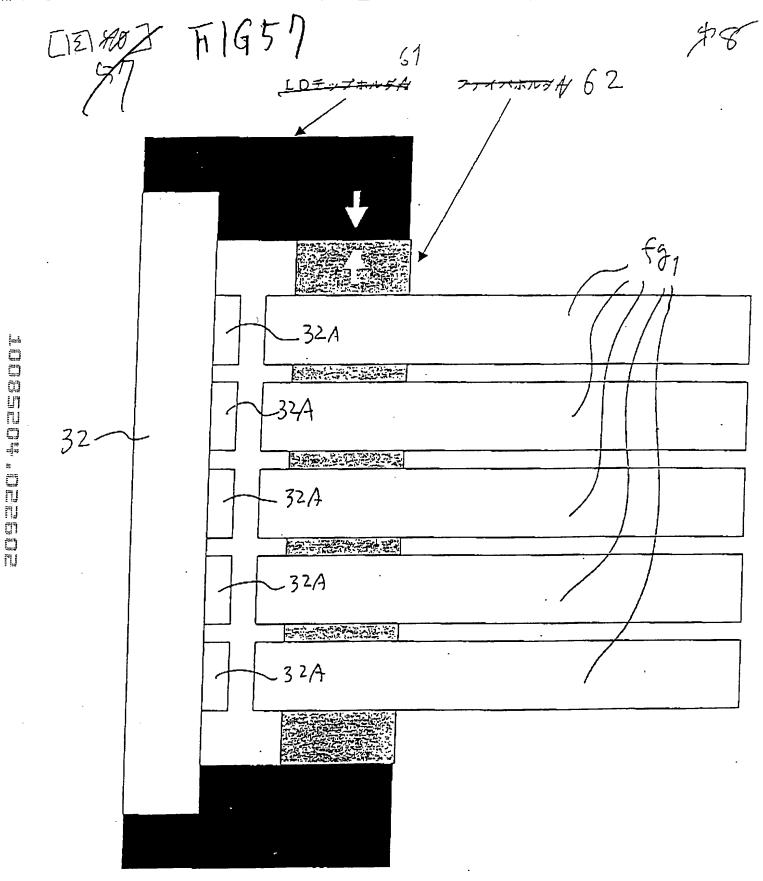
idhamath desat



OBLON, SPIVAN, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET <u>36</u> OF <u>77</u>

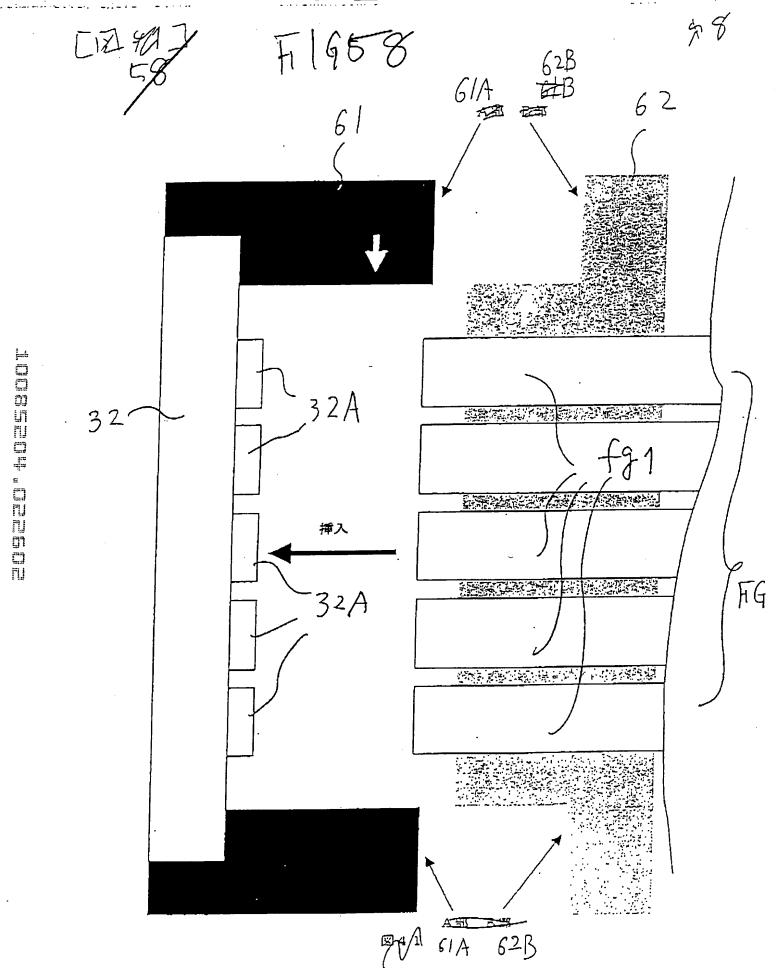


OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _37_ OF_77_



A 40/

OBI ON, SBIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _38_ OF _77_

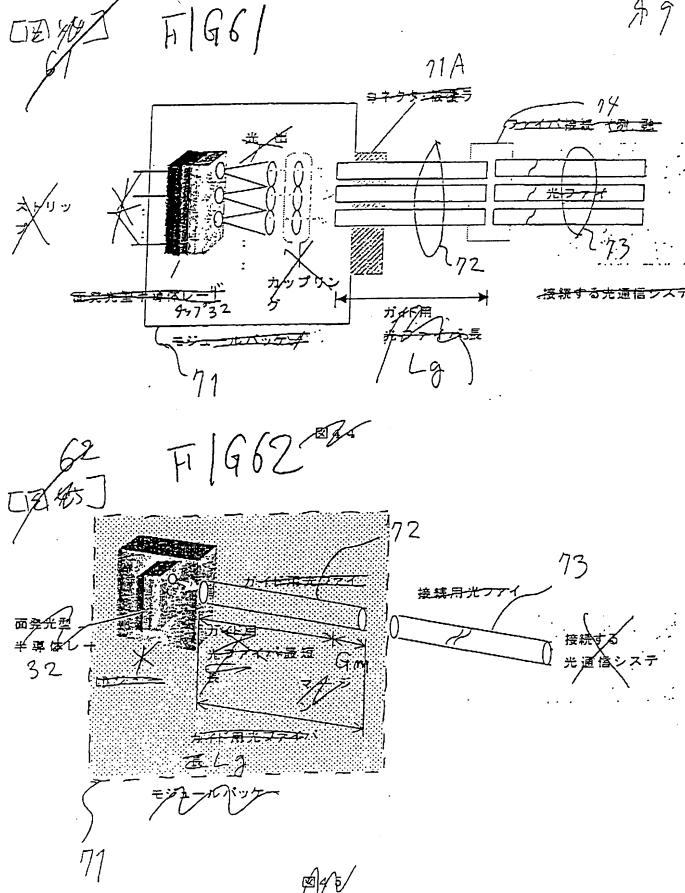


OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _39 OF_77_ A8 F1959 CE RZX 62 fg 1 32A 32: **以外的证明的的证明的证明的** MFG1

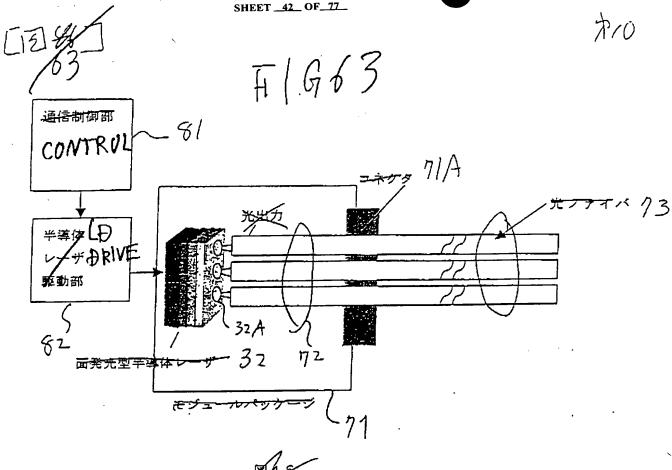
£4.20

F1660 東分小洋アナイドMFG2 第1の光ファイバ群MFG1 BØ A那 コレMG2 出資本を行る社会はいるないないというは 古代の中央の記録を見ばり、京の日 क्रमान्य द्रावस्था क्रमान्य क्रमान्य क्रमा

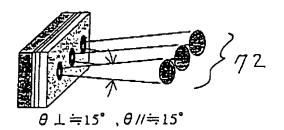
gas/



OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _42_ OF_77_

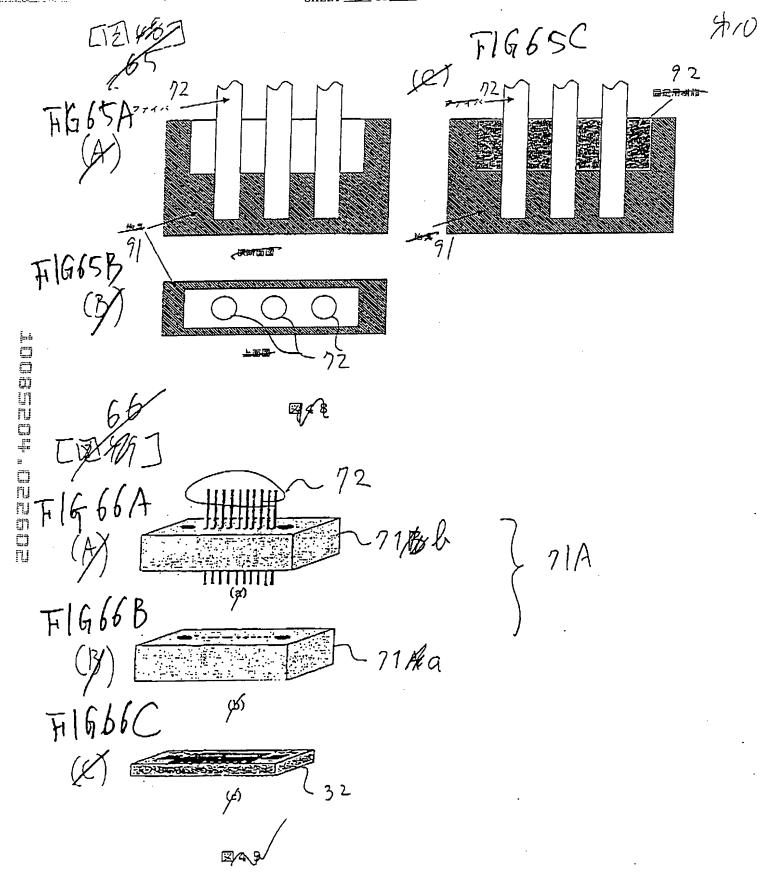


[13/2) F1 964



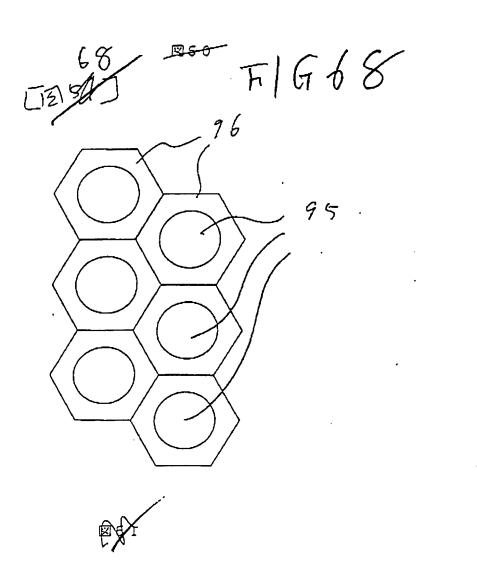


OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET <u>43</u> OF <u>77</u>

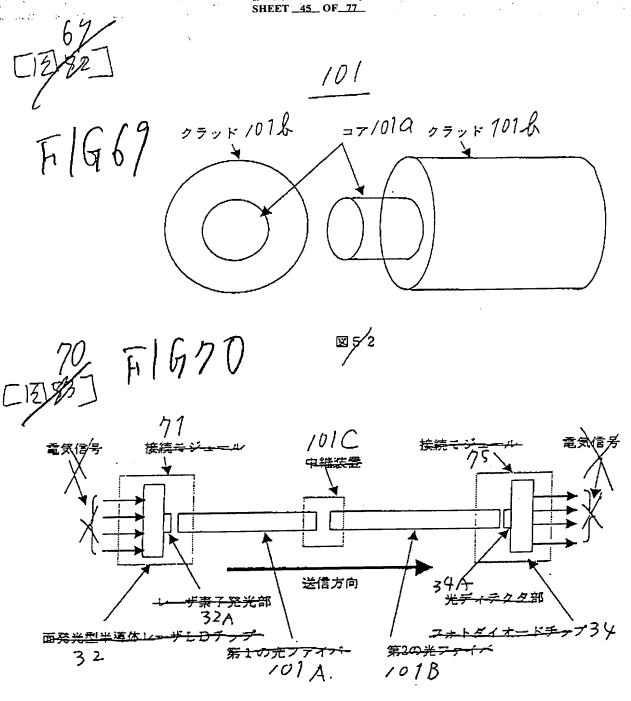


·) .

OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET 44 OF '77



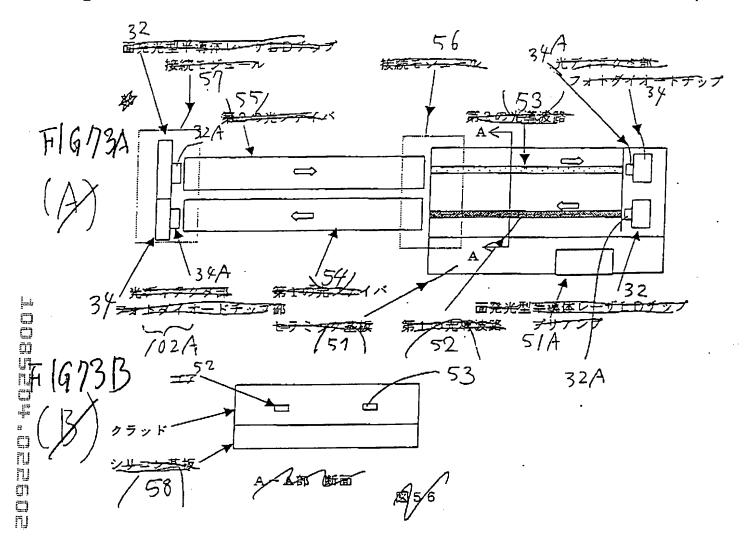
7/0



\$ 3

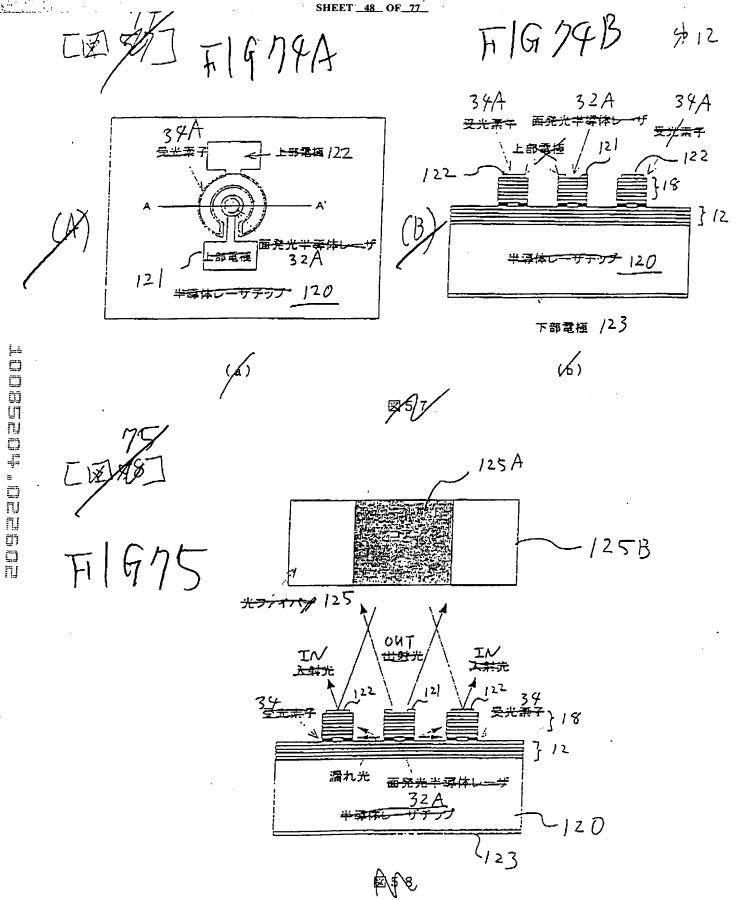
己团粉门

SP 11



^^

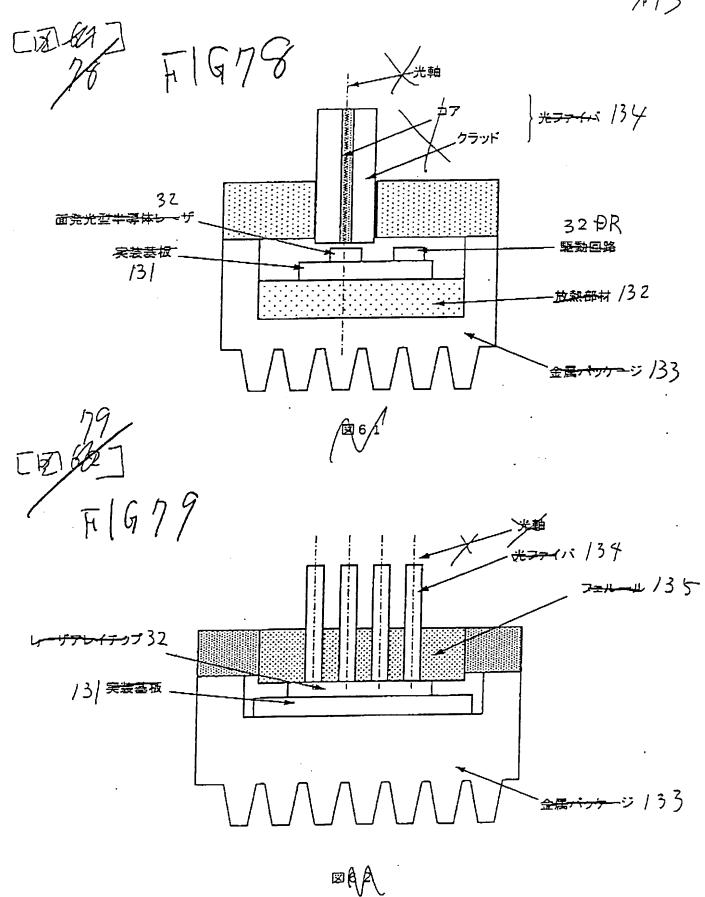
OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEFT 48 OF 77



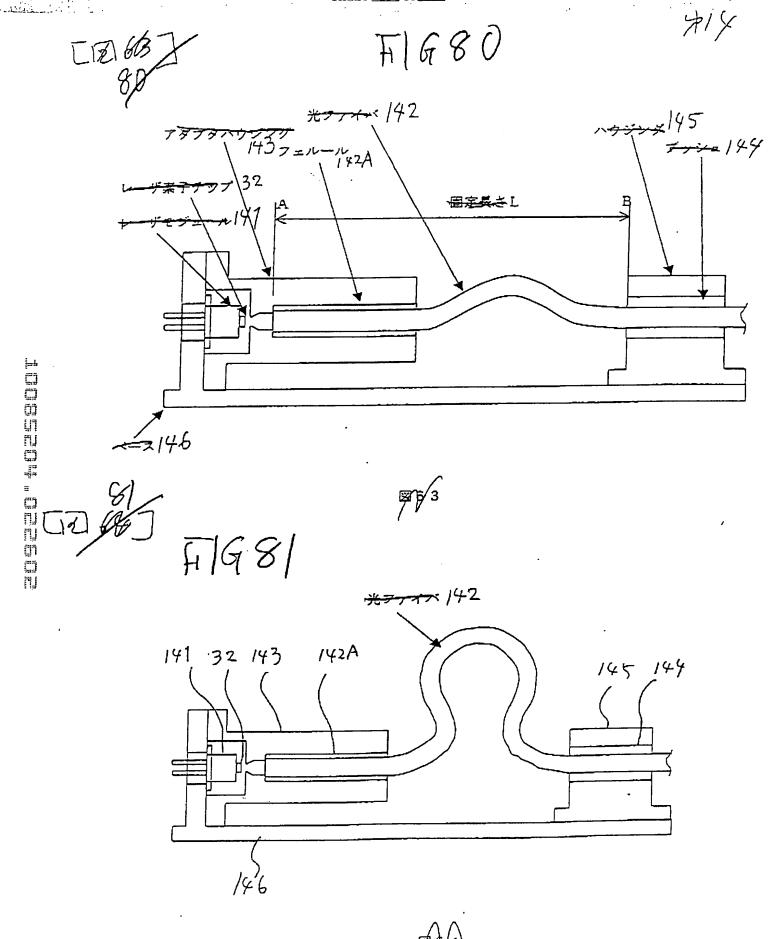
OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET <u>49</u> OF <u>77</u> 912 FIG76B F1976A 34/4 面発光半導体レーザ 受光素子 34A 34/1 受光展 上部電極 / 2 2 安光景子 122 32 A 、半導体レ ゾナップ 12*0* 下部電極したろ LOOSSECH ORESCE (31) **2** 5 9 125A 12513 125 OUT IN IN 入鲜光 34/3 34A 受出来子 324 面発光単導体レープ 120

10/

المناف عالمنظمينية



OBLON, SFFYAR, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _51_ OF_77_



カットナ FIG82 [12] 683 -, 142 A 1434 Horas 142 [13/66] FIG 83 7-11-11 42 A 結查<u>年 1</u>435 割りスリー! 1434

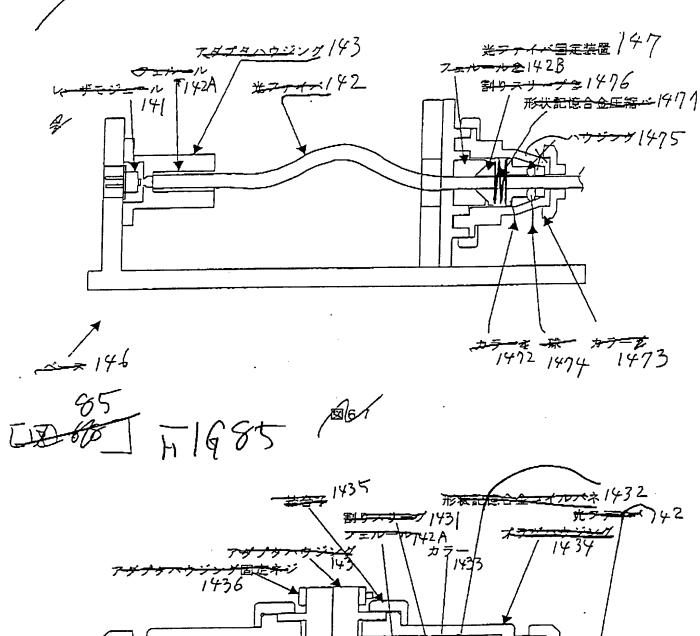
OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET 53 OF 77

CIE 887

ICOSSECT ORESE

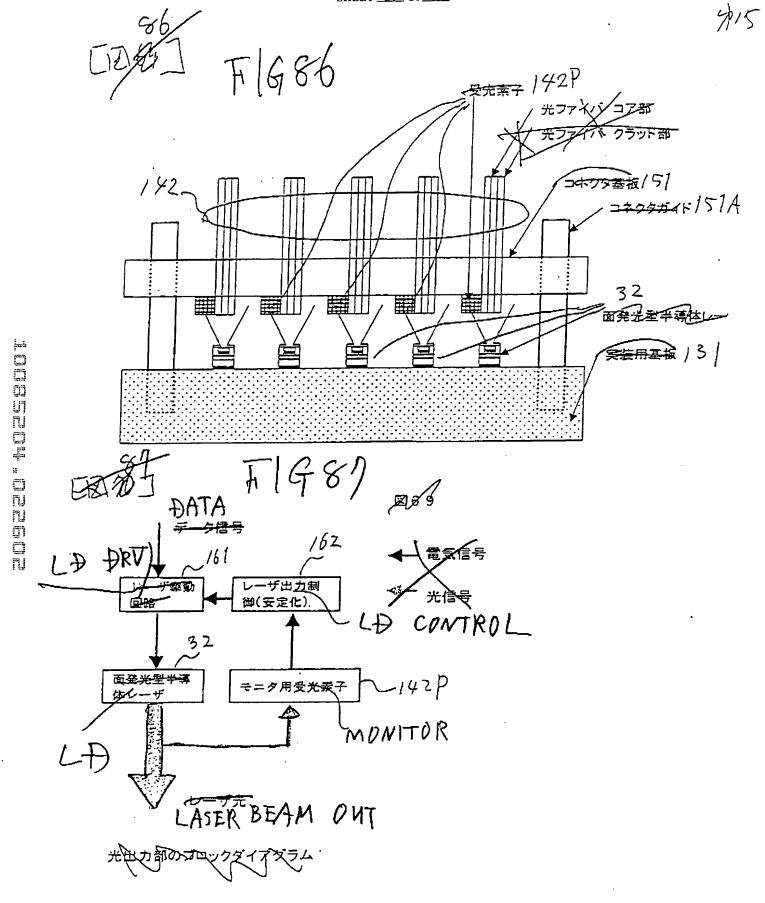
F1984

714

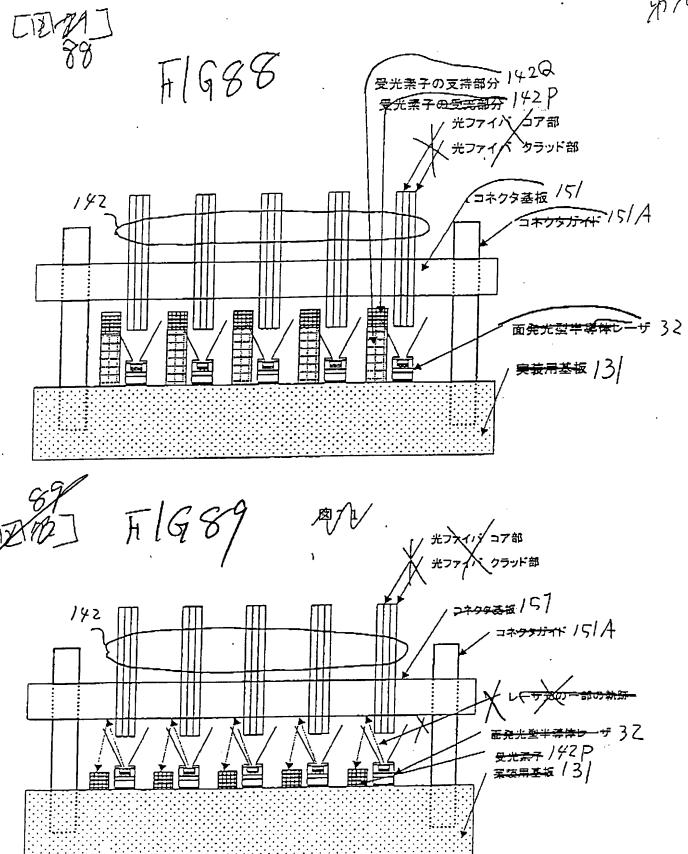


翠6多

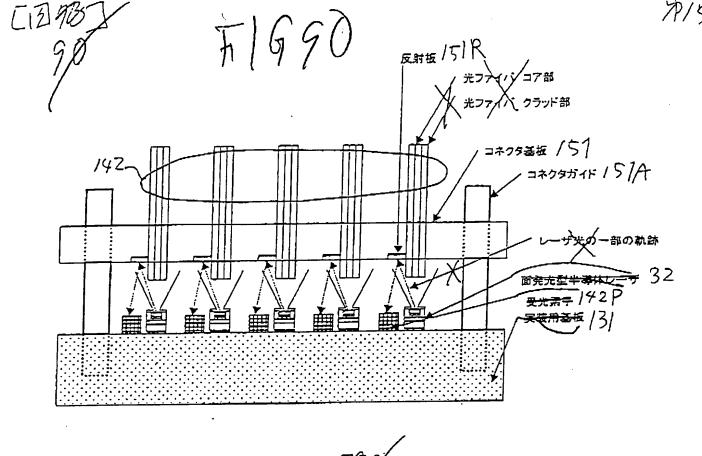
OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _54_ OF_77_



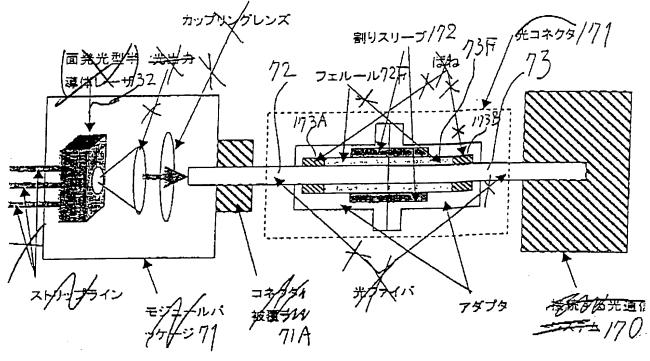
R10







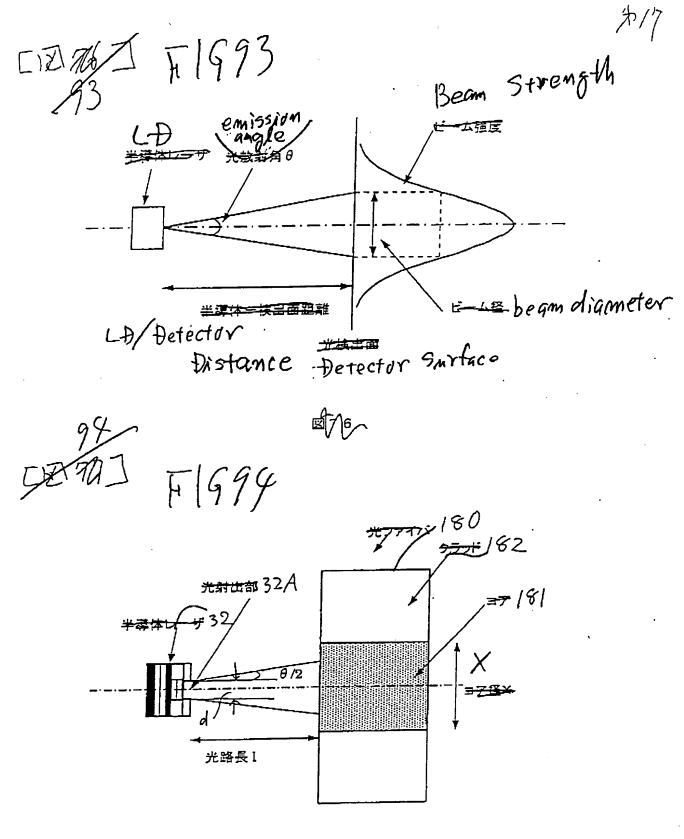
ED 247 FIG 91



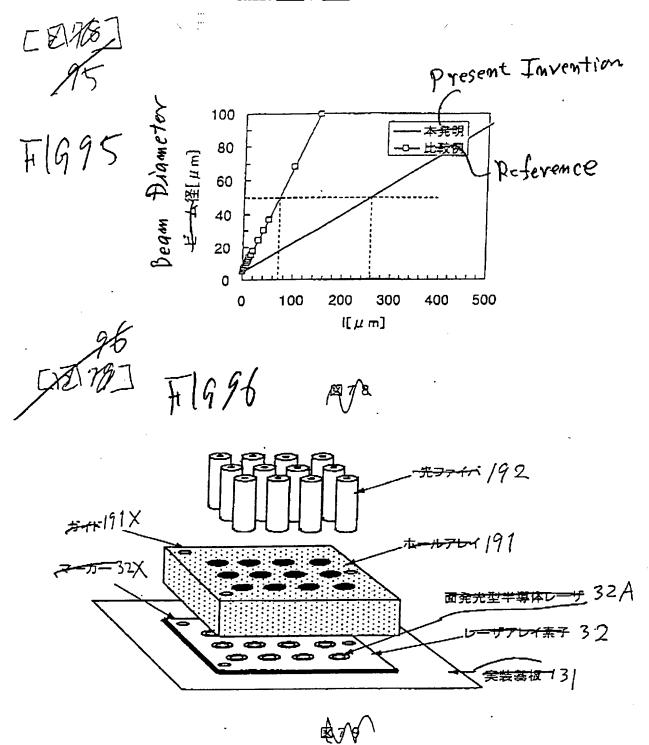
[1275] F1992 W

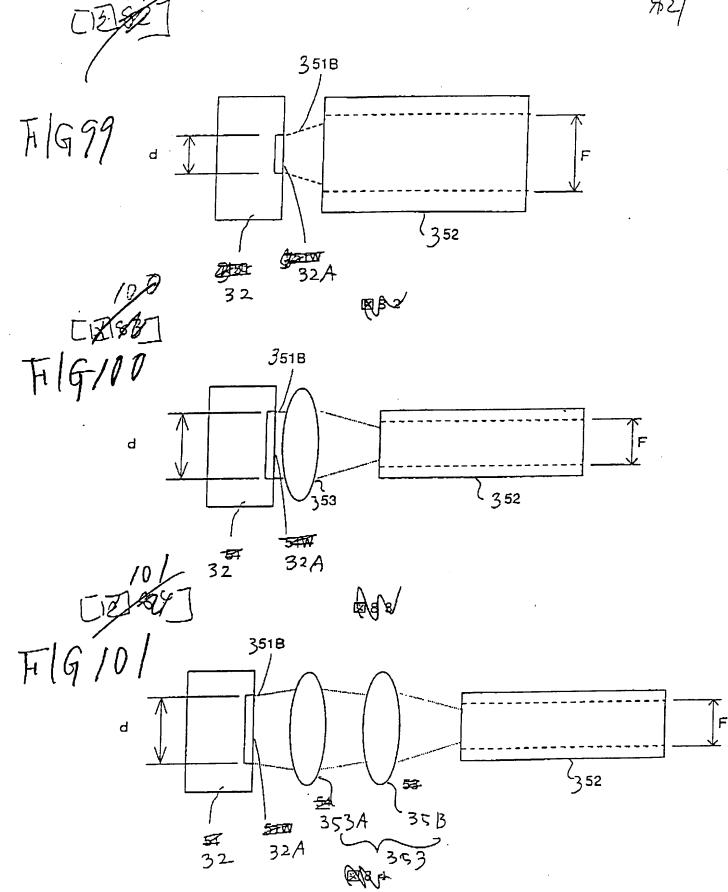
ポファイバ 72, 73 ヨリエリーフ / 72 フェルール 72 F, 73F

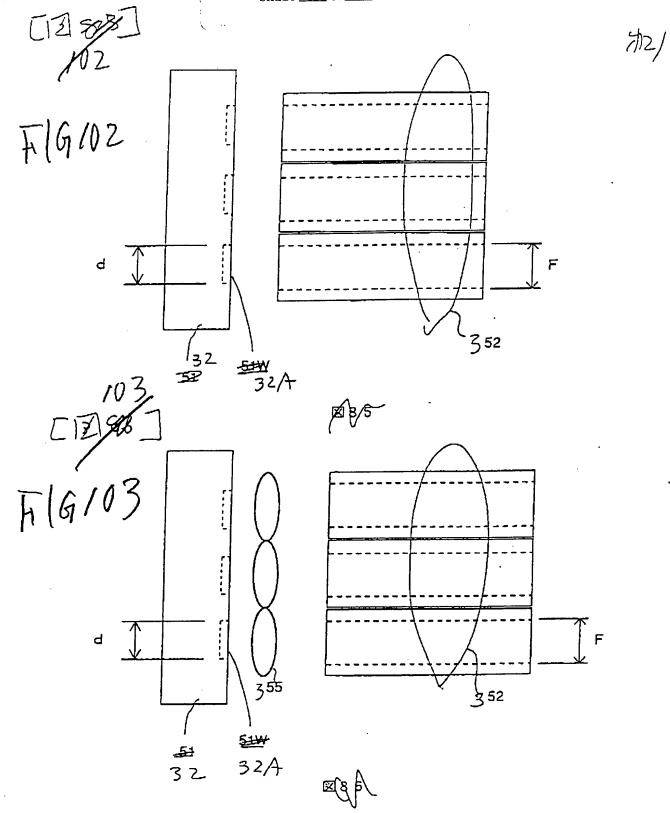




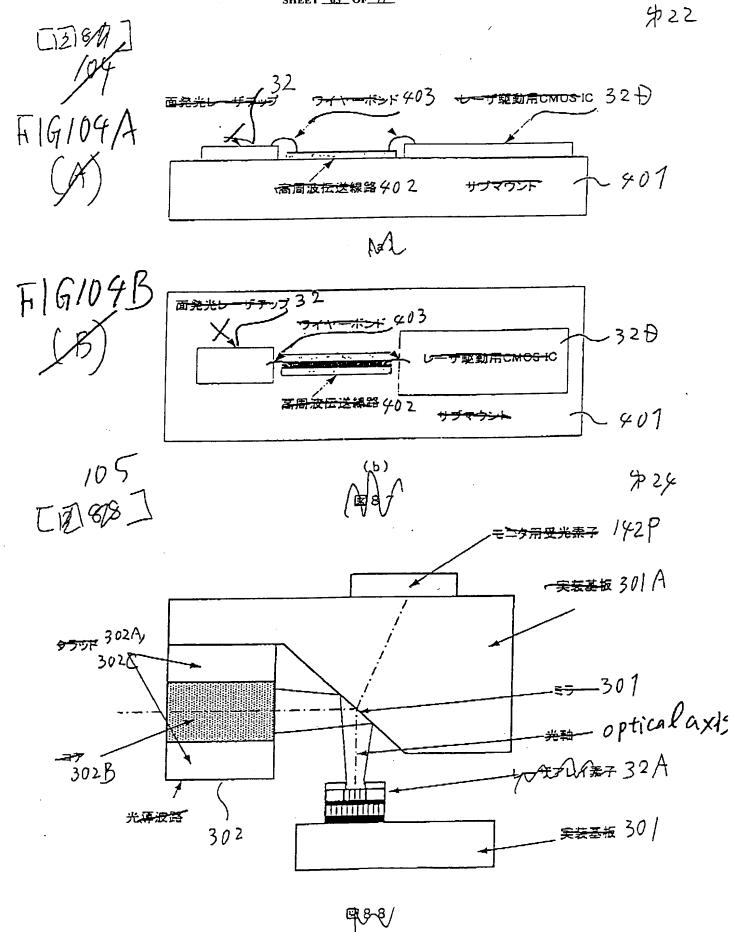
MAN

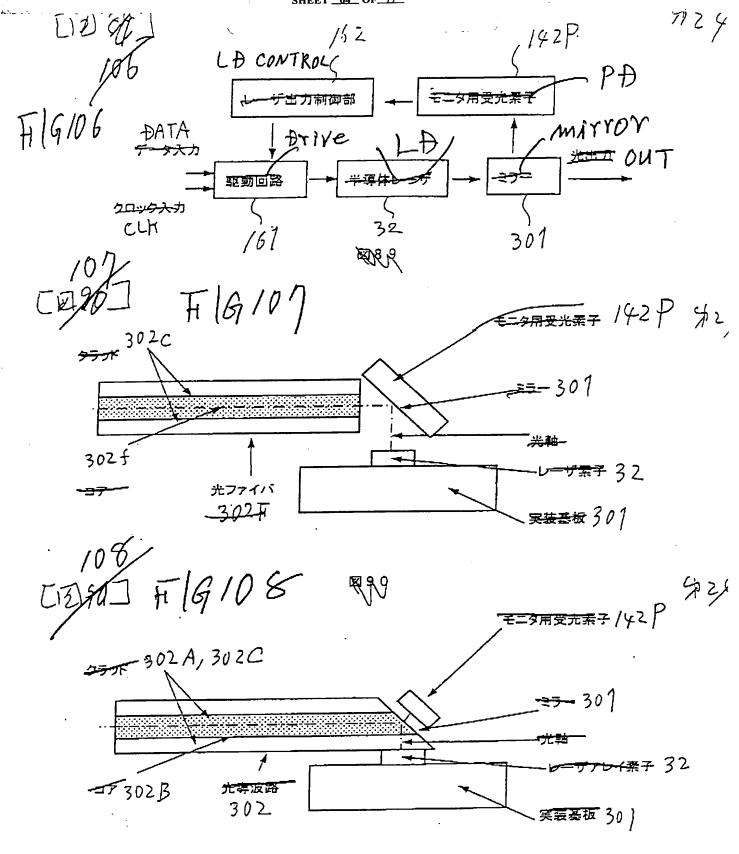






ICOSSEO4 CSESSE





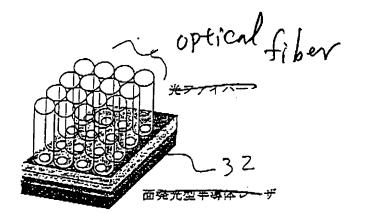
"COBSEOH" ORESCE

BAI

ہے ہم

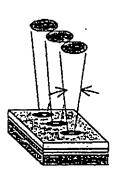
OBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _65_ OF_77_

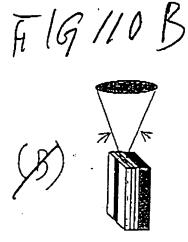
TIE 22] 199 FI 16/09



R 2/

FIG//1A





(8) 画発光型半導体レーザ

(5)端面発光型半導体レ

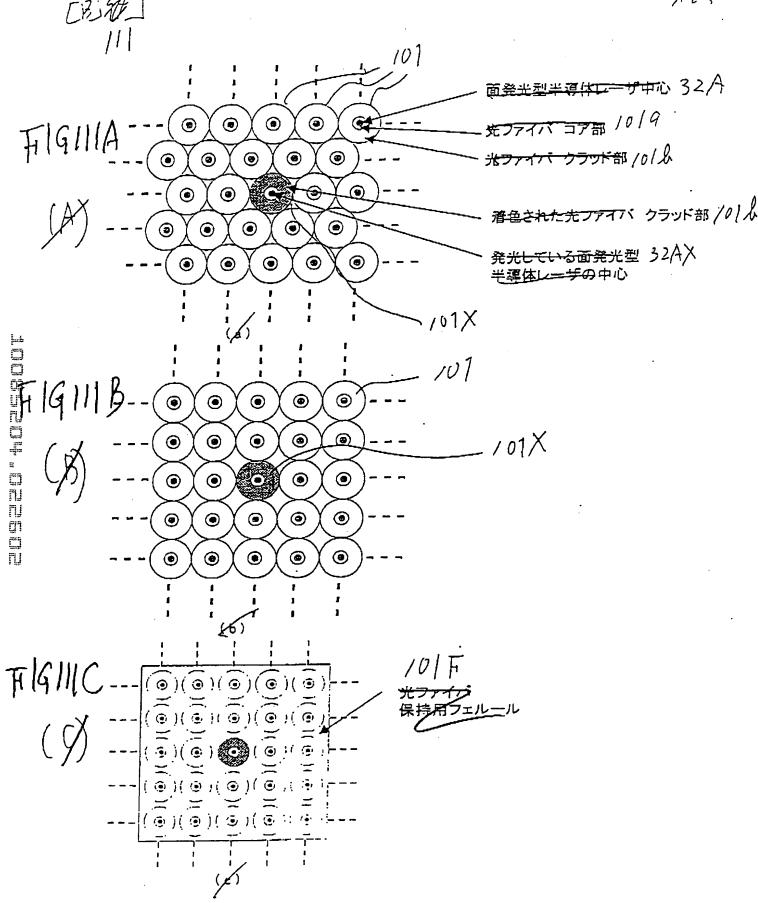


図94

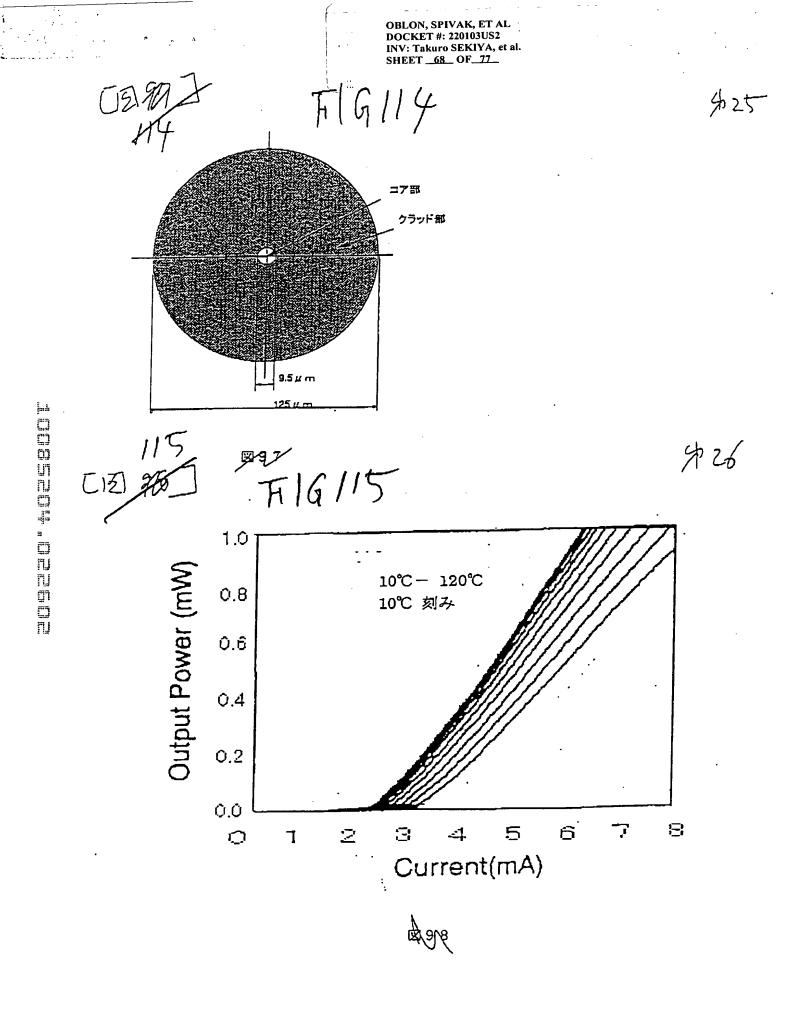
OBLON, SPIVAR, E. AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET <u>67</u> OF <u>77</u>

F19112 \$25 \$25 F16113B F19113A 72=10/9 10/6 625 µ m 50 µ m

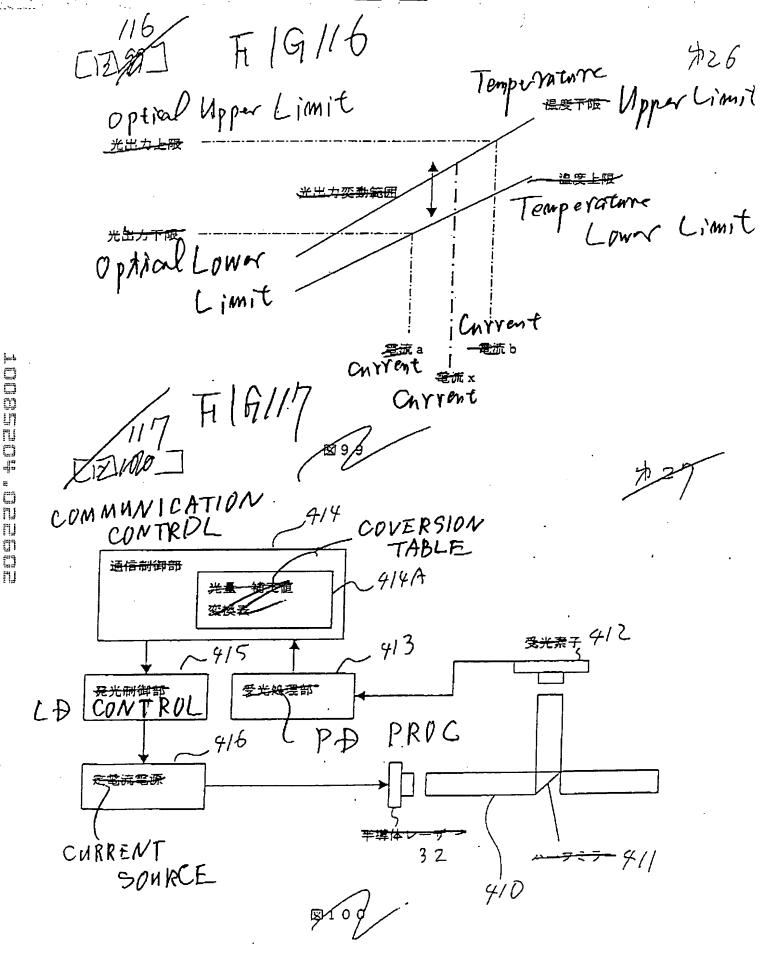
(By 96)

125 / m

125 µ m

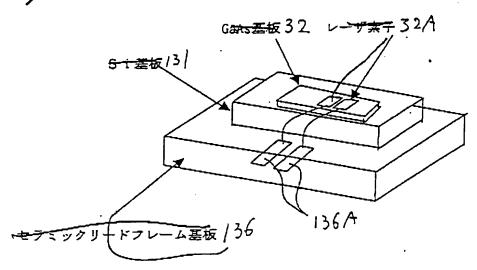


DDL8N, STIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET 69 OF 77



T13/119 F19/19

\$29

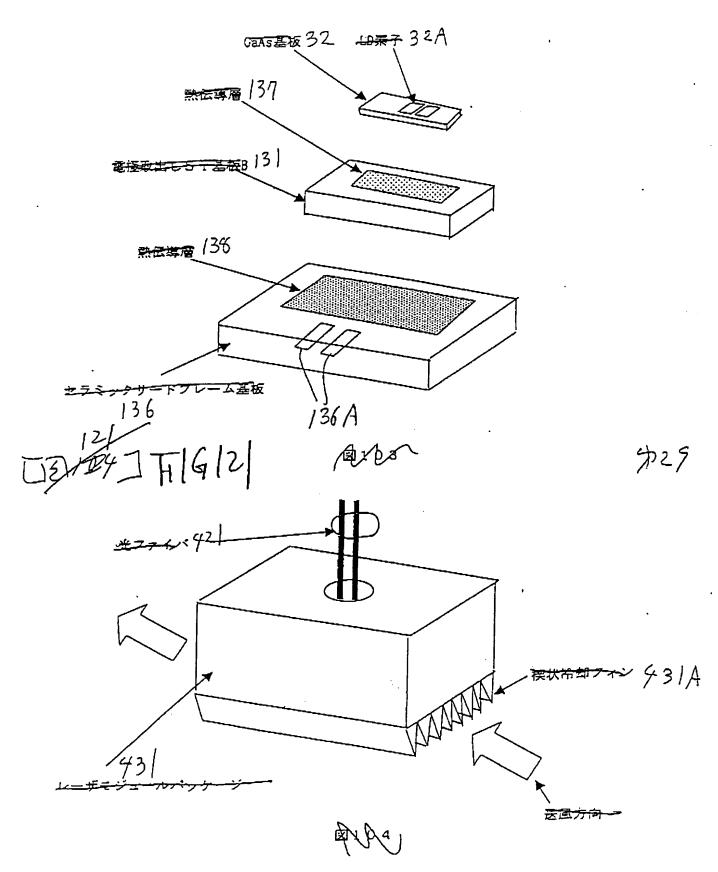


国 2 9 2

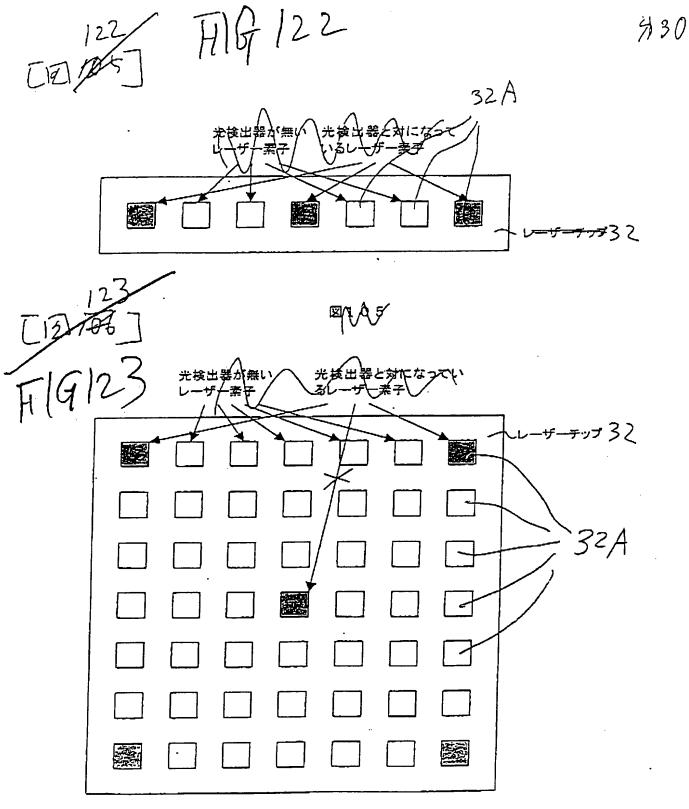
UBLON, SPIVAK, ET AL DOCKET #: 220103US2 INV: Takuro SEKIYA, et al. SHEET _71_ OF_77_

CIETY 120 HIG 120

\$29

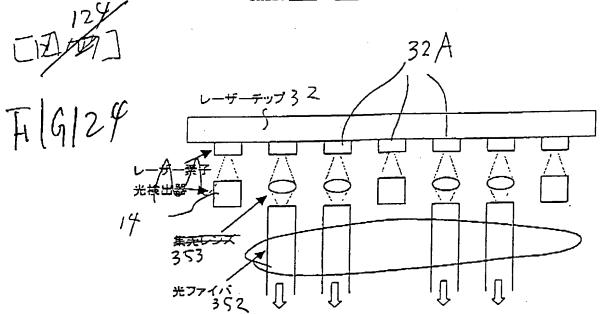


IOCSECT OF CESSE

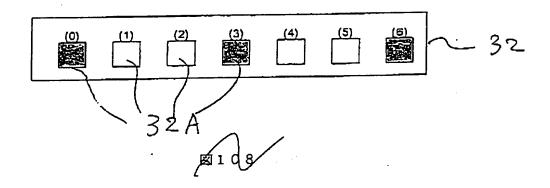


OBLON, SPIVAK, ET AL

730

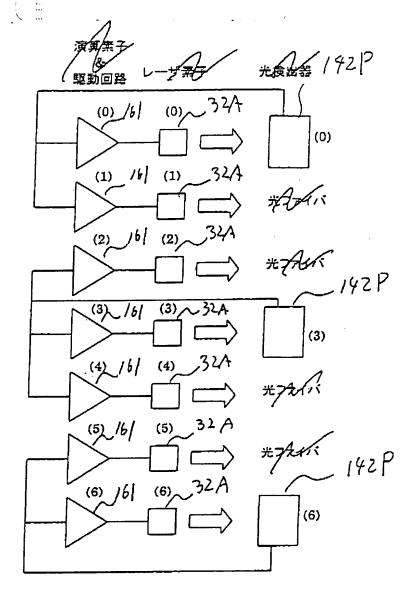


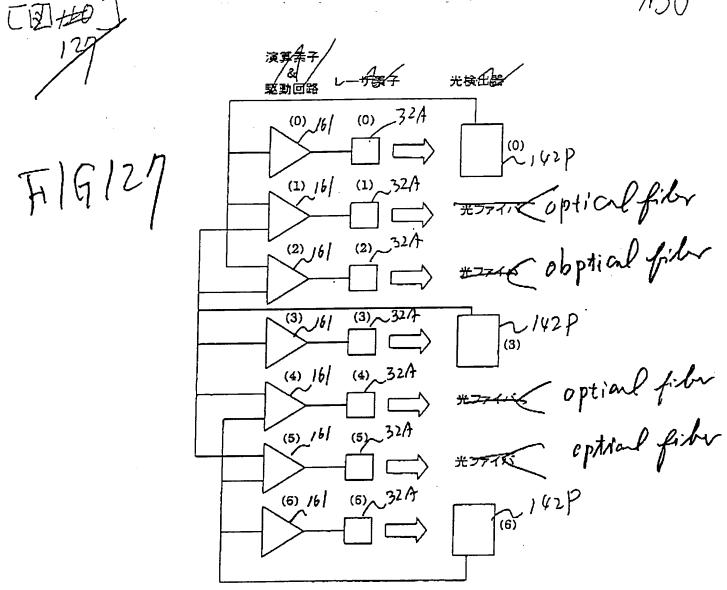
[1]G125



ioossath.ossati

F1G126

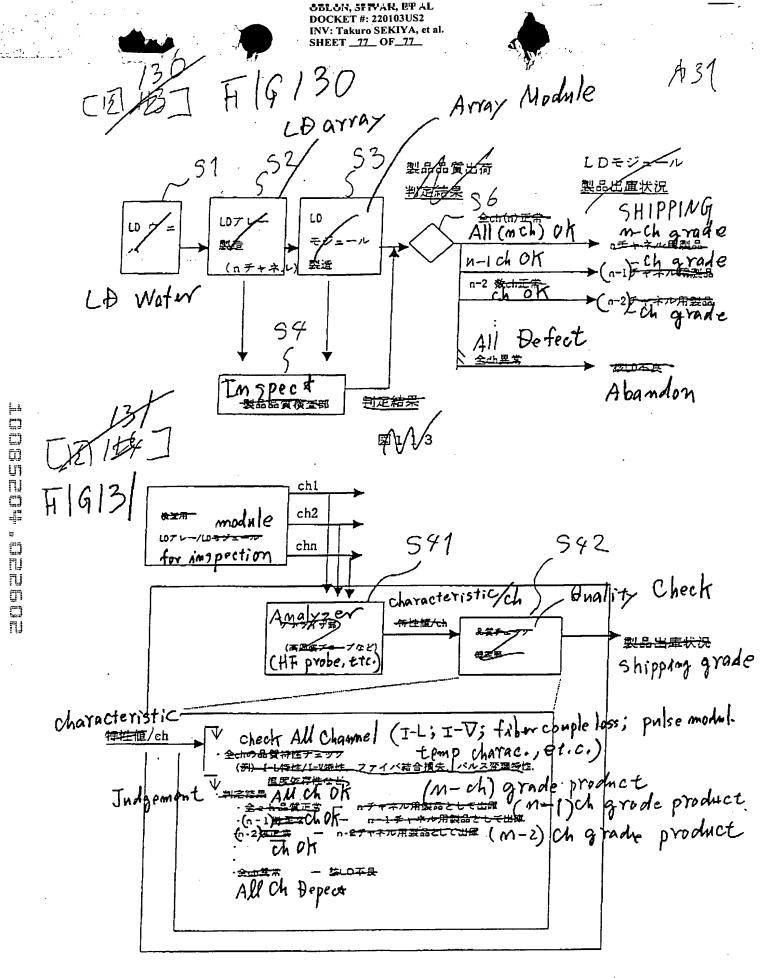




\$ 1/20

第30

32 A 四至 150 F1 19128 (00) (02) (03) (04)(01)32 (14)(24)(20) (33) TIZI # (00) (34) (01) F1 19129 (12)32 (20)(30)(34)(44)



A17 4